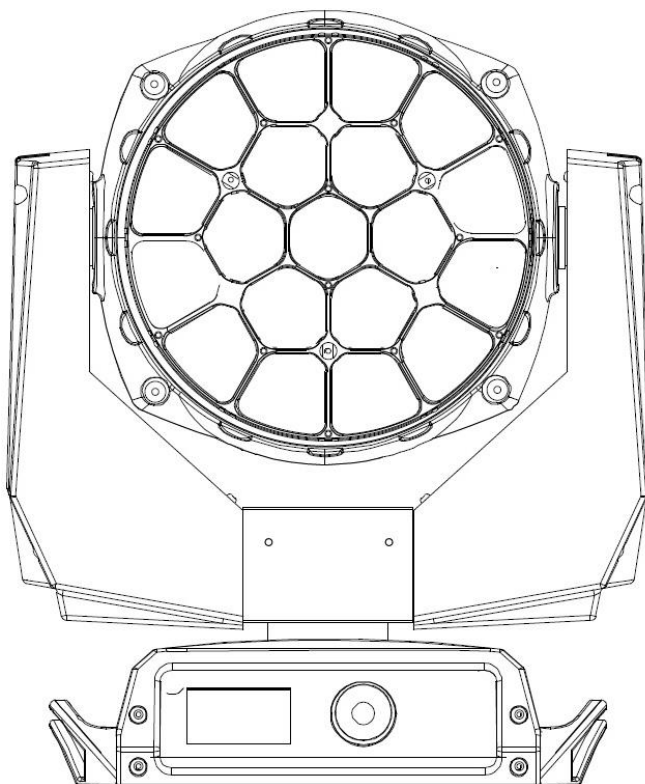


ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ DIAPro ColorWash Magic



KEEP THIS MANUAL FOR FUTURE NEEDS

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Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before opening the housing!

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

INTRODUCTION:

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power cable
2. One 3pin DMX cable
3. Two C omega clamps
4. One English user manual

(Flight case, Safety ropes and Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device. While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

SAFETY INSTRUCTIONS



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.
2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

3. Using lamp, the change rate of power voltage should be within $\pm 10\%$, if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark.
4. Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

▲ Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class I . Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



CAUTION!

Never touch the device during operation!
The housing may heat up!



CAUTION!

Never look directly into the light source,
A As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**CAUTION!**

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) To make sure the smooth gobo rotation, we suggest adding proper lube to the wheel each three month, avoiding the excessive lube splashes during the gobo rotating,
- 4) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device except for the lamp. Please refer to the instructions under "Installation instructions".

TECHNICAL PARAMETERS

POWER SUPPLY

Voltage:110-240V 50/60 Hz

LIGHT SOURCE

19x15w RGBW 4in1 Osram Ostar Leds

Dedicated channel for color temperature setting: 2500K-8000K adjustable

Average life: 50,000 h

OPTICS

Special Pods: 5cm x19pcs, convey the light output of each led to the quadrangle lens, internal light dissipation is decreased, color mixing and the light output are enhanced.

19pcs in total with 4 different shapes:

1 sexangle,6 pentagons 6 quadrangles and 6 opposite quadrangles.

Zoom angle:4-60°

0-100% linear electronic dimmer

Adjustable speed stop/strobe effect, with instantaneous blackout

Dedicated channel for color temperature setting.

EFFECTS SLECTION

Uniform wash: no dark spot in the middle benefit from its perfect optic and Invisible front grid.

Mid-air parallel beam, when the beam is zoomed down to 4°,the wash light turns into a “beam” fixture.

Spectacular graphic effects, Rotation version bring a new never-seen bore feature, the front lens may be rotated with “vortex”and “kaleidoscope” effects.

Variable Built-in Dynamic effects: Each leds can be controlled individually, shape speed,shape offset, shape fade and background select are available.

CONTROL AND PROGRAMMING

21/35/78/96/92/DMX 512 control channels

Display: LCD display with 5 operating buttons

Pan/Tilt Resolution: 16 bit

DMX signal connection: 3pin and 5pin in&out

Power connection: Powercon in&out

Cooling:

High efficiency die-cast aluminium, forced ventilation.

MOVING BODY

6 stepper motors,1 for rotation, 3 for zooming, and 2 for XY, operating with microsteps, totally microprocessor controlle

Movement by means of 2 stepper motors, controlled by microprocessor.

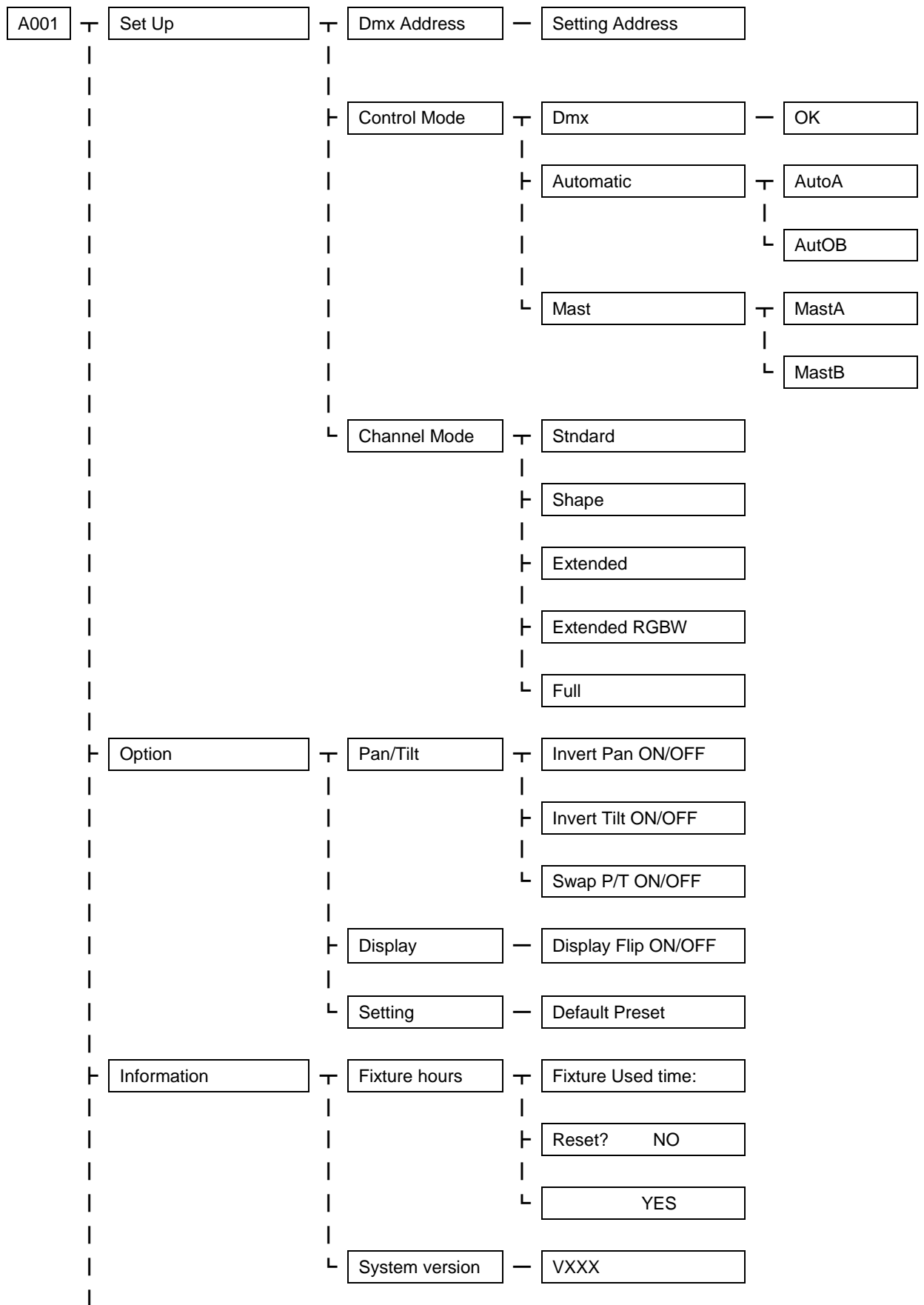
Automatic re-position of pan and tilt after accidental movement not controlled by control unit.

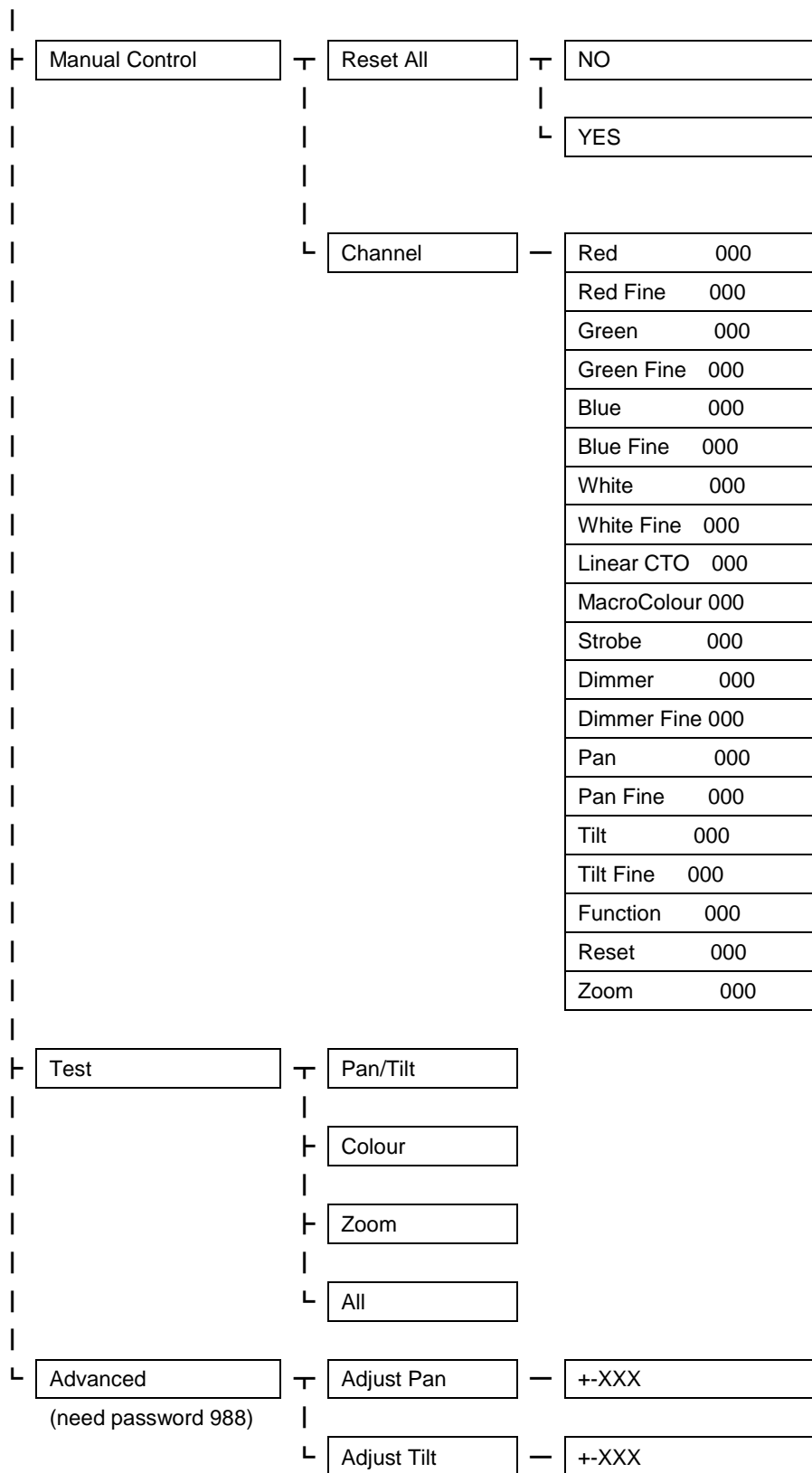
Travel: PAN = 540° ,TILT = 210°

WEIGHT

15KG

MENU FUNCTION





L10 EASY

STANDARD		SHAPE		EXTENDED		EXTENDED RGBW		FULL	
Ch	Mode	Ch	Mode	Ch	Mode	Ch	Mode	Ch	Mode
1	Red	1	Red	1	Red	1	Red	1	Red
2	Red fine	2	Red fine	2	Red fine	2	Red fine	2	Red fine
3	Green	3	Green	3	Green	3	Green	3	Green
4	Green fine	4	Green fine	4	Green fine	4	Green fine	4	Green fine
5	Blue	5	Blue	5	Blue	5	Blue	5	Blue
6	Blue fine	6	Blue fine	6	Blue fine	6	Blue fine	6	Blue fine
7	White	7	White	7	White	7	White	7	White
8	White fine	8	White fine	8	White fine	8	White fine	8	White fine
9	Linear CTO	9	Linear CTO	9	Linear CTO	9	Linear CTO	9	Linear CTO
10	Macro color	10	Macro color	10	Macro color	10	Macro color	10	Macro color
11	Strobe	11	Strobe	11	Strobe	11	Strobe	11	Strobe
12	Dimmer	12	Dimmer	12	Dimmer	12	Dimmer	12	Dimmer
13	Dimmer fine	13	Dimmer fine	13	Dimmer fine	13	Dimmer fine	13	Dimmer fine
14	Pan	14	Pan	14	Pan	14	Pan	14	Pan
15	Pan fine	15	Pan fine	15	Pan fine	15	Pan fine	15	Pan fine
16	Tilt	16	Tilt	16	Tilt	16	Tilt	16	Tilt
17	Tilt fine	17	Tilt fine	17	Tilt fine	17	Tilt fine	17	Tilt fine
18	Function	18	Function	18	Function	18	Function	18	Function
19	Reset	19	Reset	19	Reset	19	Reset	19	Reset
20	Zoom	20	Zoom	20	Zoom	20	Zoom	20	Zoom
		21	Shape selection	21	Red Led 1	21	Red Led 1	21	Shape selection
		22	Shape speed	22	Green Led 1	22	Green Led 1	22	Shape speed
		23	Shape fade	23	Blue Led 1	23	Blue Led 1	23	Shape fade
		24	Shape R	.....	Red Led...	24	White Led 1	24	Shape R
		25	Shape G	75	Red Led 19	25	Red Led 2	25	Shape G
		26	Shape B	76	Green Led 19	26	Green Led 2	26	Shape B
		27	Shape W	77	Blue Led 19	27	Blue Led 2	27	Shape W
		28	Shape Dimmer			28	White Led 2	28	Shape Dimmer
		29	Background Dimmer			...	Red Led...	29	Background Dimmer
		30	Shape transition			...	Green Led....	30	Shape transition
		31	Shape offset			....	Blue Led....	31	Shape offset
		32	Foreground strobe			....	White Led....	32	Foreground strobe
		33	Background strobe			93	Red Led 19	33	Background strobe
		34	Background select			94	Green Led 19	34	Background select
						95	Blue Led 19	...	Red Led 1
						96	White Led 19	...	Green Led 1
								....	Blue Led 1
								89	Red Led 19
								90	Green Led 19
								91	Blue Led 19

L10 ROTATION

STANDARD		SHAPE		EXTENDED		EXTENDED RGBW		FULL	
Ch	Mode	Ch	Mode	Ch	Mode	Ch	Mode	Ch	Mode
1	Red	1	Red	1	Red	1	Red	1	Red
2	Red fine	2	Red fine	2	Red fine	2	Red fine	2	Red fine
3	Green	3	Green	3	Green	3	Green	3	Green
4	Green fine	4	Green fine	4	Green fine	4	Green fine	4	Green fine
5	Blue	5	Blue	5	Blue	5	Blue	5	Blue
6	Blue fine	6	Blue fine	6	Blue fine	6	Blue fine	6	Blue fine
7	White	7	White	7	White	7	White	7	White
8	White fine	8	White fine	8	White fine	8	White fine	8	White fine
9	Linear CTO	9	Linear CTO	9	Linear CTO	9	Linear CTO	9	Linear CTO
10	Macro color	10	Macro color	10	Macro color	10	Macro color	10	Macro color
11	Strobe	11	Strobe	11	Strobe	11	Strobe	11	Strobe
12	Dimmer	12	Dimmer	12	Dimmer	12	Dimmer	12	Dimmer
13	Dimmer fine	13	Dimmer fine	13	Dimmer fine	13	Dimmer fine	13	Dimmer fine
14	Pan	14	Pan	14	Pan	14	Pan	14	Pan
15	Pan fine	15	Pan fine	15	Pan fine	15	Pan fine	15	Pan fine
16	Tilt	16	Tilt	16	Tilt	16	Tilt	16	Tilt
17	Tilt fine	17	Tilt fine	17	Tilt fine	17	Tilt fine	17	Tilt fine
18	Function	18	Function	18	Function	18	Function	18	Function
19	Reset	19	Reset	19	Reset	19	Reset	19	Reset
20	Zoom Rotation	20	Zoom	20	Zoom	20	Zoom	20	Zoom
21	Zoom	21	Zoom Rotation	21	Zoom Rotation	21	Zoom Rotation	21	Zoom Rotation
		22	Shape selection	22	Red Led 1	22	Red Led 1	22	Shape selection
		23	Shape speed	23	Green Led 1	23	Green Led 1	23	Shape speed
		24	Shape fade	24	Blue Led 1	24	Blue Led 1	24	Shape fade
		25	Shape R	.....	Red Led...	25	White Led 1	25	Shape R
		26	Shape G	76	Red Led 19	....	Red Led...	26	Shape G
		27	Shape B	77	Green Led 19	....	Green Led....	27	Shape B
		28	Shape W	78	Blue Led 19	....	Blue Led....	28	Shape W
		29	Shape Dimmer			....	White Led....	29	Shape Dimmer
		30	Background Dimmer			90	Red Led 18	30	Background Dimmer
		31	Shape transition			91	Green Led 18	31	Shape transition
		32	Shape offset			92	Blue Led 18	32	Shape offset
		33	Foreground strobe			93	White Led 18	33	Foreground strobe
		34	Background strobe			94	Red Led 19	34	Background strobe
		35	Background select			95	Green Led 19	35	Background select
						96	Blue Led 19	....	Red Led 1
								....	Green Led 1
								....	Blue Led 1
								90	Red Led 19
								91	Green Led 19
								92	Blue Led 19

NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 128 bit - Tilt 128 bit) all the others channels stay at 0 bit.

- RED
- GREEN
- BLUE
- WHITE



BIT	EFFECT
255	LED ON
0	LED OFF

- RED FINE
- GREEN FINE
- BLUE FINE
- WHITE FINE



BIT	EFFECT
255	UP
0	LOW

- LINEAR CTO

BIT	EFFECT
255	2500 K
...	...
224	3200 K
...	...
188	4000 K
...	...
144	5000 K
...	...
117	5600 K
...	...
99	6000 K
...	...
54	7000 K
...	...
10	8000 K
0-9	UNUSED RANGE

Note: If CTO channel is active, the WHITE channel is disabled.

- MACRO COLOUR

BIT	LEE REFERENCE	COLOUR	BIT VALUE			
			R	G	B	W
209-255	-	White	255	235	66	255
208	-	Dirty White	255	255	122	255
207	197	Alice Blue	128	255	143	0
191-206	181	Congo Blue	77	0	255	0
184-190	174	Dark Steel Blue	181	255	95	0
180-183	170	Deep lavender	255	168	64	0
179	169	Lilac Tint	255	199	49	0
175-178	165	Daylight Blue	82	214	90	0
174	164	Flame Red	255	46	2	0
172-173	162	Bastard Amber	255	181	28	0
168-171	158	Deep Orange	222	84	0	0
162-167	152	Pale Gold	253	171	26	0
157-161	147	Apricot	255	143	13	0
151-156	141	Bright Blue	0	255	87	0
149-150	139	Primary Green	77	255	0	0
147-148	137	Special lavender	219	197	79	0
146	136	Pale Lavender	255	197	61	0
145	135	Deep Golden Amber	255	58	0	0
142-144	132	Medium Blue	0	255	143	0
138-141	128	Bright Pink	255	53	36	0
136-137	126	Mauve	227	41	56	0
134-135	124	Dark Green	84	255	13	0
131-133	121	Leaf Green	206	255	0	0
129-130	119	Dark Blue	0	186	255	0
128	118	Light Blue	74	255	82	0
127	117	Steel Blue	206	255	56	0
126	116	Med Blu Green	206	255	56	0
125	115	Peacock Blue	51	255	51	0
123-124	113	Magenta	255	20	15	0
121-122	111	Dark Pink	255	109	33	0
120	110	Middle Rose	217	130	28	0
119	109	Light Salmon	255	138	31	0
118	108	English Rose	255	148	23	0
117	107	Light Rose	255	141	31	0
115-116	105	Orange	255	122	0	0
114	104	Deep Amber	255	166	0	0
113	103	Straw	230	160	0	69
112	102	Light Amber	237	163	0	0
110-111	100	Spring Yellow	245	202	0	0
100-109	90	Dark yellow green	41	219	0	0
89-99	79	Just Blue	0	194	130	0
78-88	68	Sky Blue	0	255	135	0
68-77	58	Lavender	243	117	133	199
62-67	52	Light Lavender	243	117	39	197
49-61	39	Pink Carnation	255	107	0	130
46-48	36	Medium Pink	255	87	0	107
45	35	Light Pink	255	112	0	141
35-44	25	Sunrise Red	255	83	2	0
32-34	22	Dark Amber	255	65	0	0
31	21	Gold Amber	255	100	0	0
30	20	Medium Amber	255	135	0	0
29	19	Fire	255	56	0	0
27-28	17	Surprise Peach	198	114	9	0
23-26	13	Straw Tint	152	115	9	0
20-22	10	Medium Yellow	156	126	0	0
19	-	Black	0	0	0	0
18	-	White 5000 K	255	137	0	193
17	-	White 3700 K	255	201	25	255
16	-	White 7000 K	216	237	61	255
15	-	Magenta	255	0	255	0
14	-	Yellow	255	255	0	0
13	-	Cyan	0	255	255	0
12	-	Blue	0	0	255	0
11	-	Green	0	255	0	0
10	-	Red	255	0	0	0
0-9	-	Macro color OFF	-	-	-	-

• STOP STROBE - FOREGROUND STROBE - BACKGROUND STROBE



BIT	EFFECT
252 - 255	OPEN
239 - 251	RANDOM FAST STROBE
226 - 238	RANDOM MEDIUM STROBE
213 - 225	RANDOM SLOW STROBE
208 - 212	OPEN
207	FAST PULSATION (25 flash/sec)
108	SLOW PULSATION (0,5 flash/sec)
104 - 107	OPEN
103	FAST STROBE (25 flash/sec)
4	SLOW STROBE (1 flash/sec)
0 - 3	CLOSED

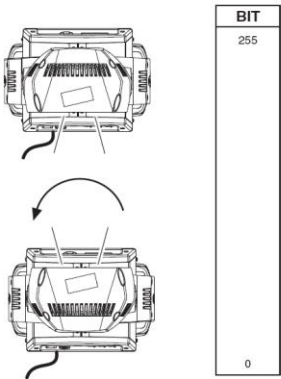
• DIMMER

BIT	EFFECT
255	FULL LIGHT
0	NO LIGHT

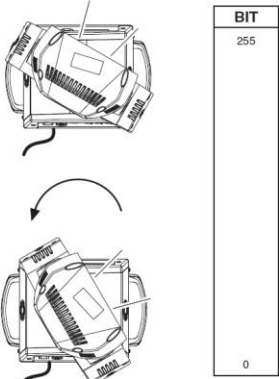
• DIMMER FINE

BIT	EFFECT
255	UP
0	LOW

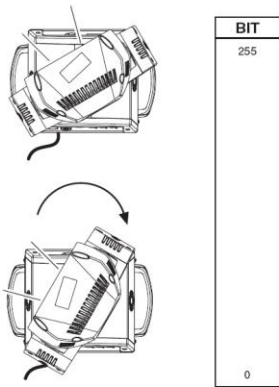
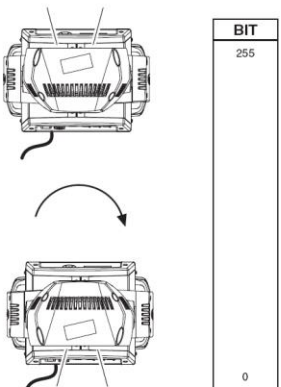
• PAN



• PAN FINE

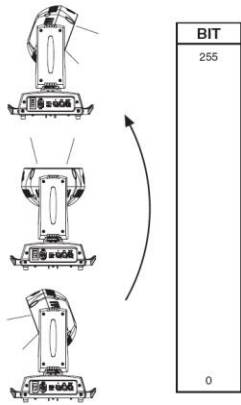


Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)

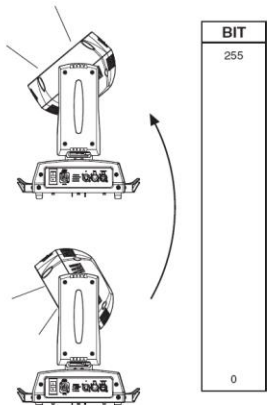


Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)

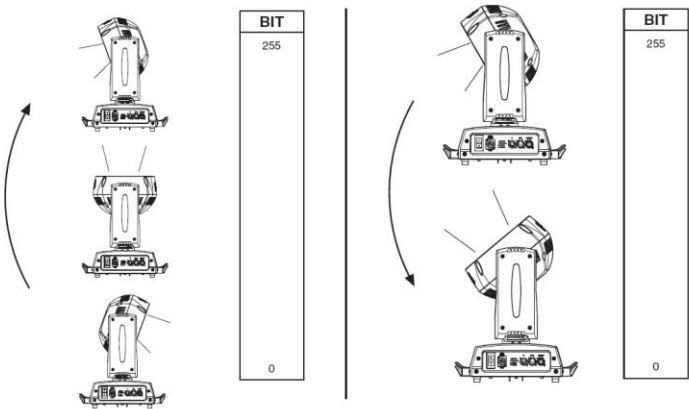
• TILT



• TILT FINE



Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



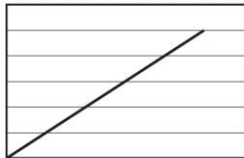
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)

• FUNCTION

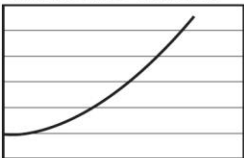
BIT	EFFECT
103 - 255	Reserved
98 - 102	Halogen Lamp Simulation, type 5 (2500 W)
93 - 97	Halogen Lamp Simulation, type 4 (2000 W)
88 - 92	Halogen Lamp Simulation, type 3 (1200 W)
83 - 87	Halogen Lamp Simulation, type 2 (1000 W)
78 - 82	Halogen Lamp Simulation, type 1 (750W)
73 - 77	Halogen Lamp Simulation OFF (Default)
68 - 72	RGBW Gamma curve 3 - gamma = 2.0
63 - 67	RGBW Gamma curve 2 - gamma = 1.5
58 - 62	RGBW Gamma curve 1 - gamma = 1.0
52 - 57	Dimmer Curve 4
48 - 52	Dimmer Curve 3
43 - 47	Dimmer Curve 2
38 - 42	Dimmer Curve 1
24 - 37	Pan Tilt Normal
12 - 24	Pan Tilt Fast (Default)
0 - 11	Function off - rearmed

The functions are activated passing through the "unused range" and staying 5 seconds in necessary level.
Last selected function still active. Enable setting a new function.

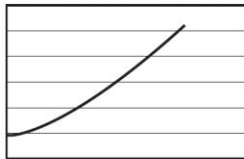
DIMMER CURVE 1 - GAMMA 1 LINEAR



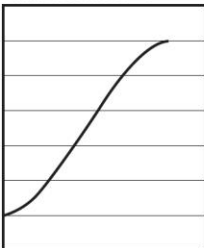
DIMMER CURVE 3 - GAMMA 2,0



DIMMER CURVE 2 - GAMMA 1,5



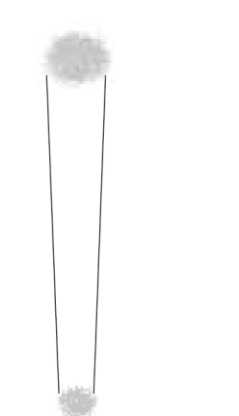
DIMMER CURVE 4 - S



• RESET

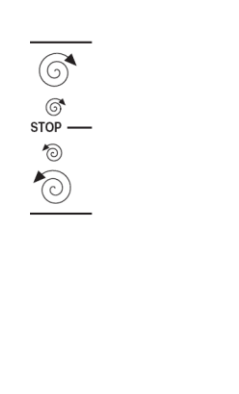
BIT	EFFECT
255	COMPLETE RESET
Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels	
128	COMPLETE RESET
127	PAN / TILT RESET
Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels	
77	PAN / TILT RESET
76	ZOOM RESET
Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.	
26	ZOOM RESET
25	
0	UNUSED RANGE

• ZOOM



BIT	EFFECT
255	WIDE BEAM
0	NARROW BEAM

• ZOOM ROTATION



BIT	EFFECT
255	FAST ROTATION
193	SLOW ROTATION
191 - 192	STOP
190	SLOW ROTATION
128	FAST ROTATION
127	
LINEAR ROTATION	
0	

• ZOOM ROTATION (available on zoom channel from 0 bit to 42 bit)

BIT	MACRO EFFECT
193-255	CCW Rotation, speed from 3 RPH to 10 RPM
191-192	Stop rotation
128-190	CW Rotation, speed from 10 RPM to 3 RPH
127	Indexed zone. Lens angle = 60.00
126	Indexed zone. Lens angle = 59.52
...	
3	Indexed zone. Lens angle = 1.42
2	Indexed zone. Lens angle = 0.94
1	Indexed zone. Lens angle = 0.47
0	Indexed zone. Lens angle = 0

• ZOOM ROTATION (available on zoom channel at 255 bit only)

BIT	MACRO EFFECT
128-255	Lens offset angle: 0.00 degree
127	Lens offset angle: +4.00 degree
126	Lens offset angle: +3.94 degree
125	Lens offset angle: +3.87 degree
...	
1	Lens offset angle: +0.06 degree
0	Lens offset angle: 0.00 degree

- RED LED 1 to...
- GREEN LED 1 to...
- BLUE LED 1 to...
- WHITE LED 1 to...



BIT	EFFECT
255	LED ON
0	LED OFF

SHAPE SPEED - SHAPE OFFSET - SHAPE FADE - BACKGROUND SELECT

Shape Selection	Shape Slot	Macro Name	On L10	Description	Random Colors 1	Shape speed	Shape offset	Shape fade	Background
0-7		macro OFF	Yes	Static effects. The ring or rings used by the macro are turned-on with the foreground colour	Na	Na	Na	Na	Na
8	1	Pixel 1	Yes		Na	Na	Na	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
9	2	Ring 1	Yes						
10	3	Ring 2	Yes						
11	4	Ring 3	No						
12	5	Pixel 1+ring1	Yes						
13	6	Pixel 1+ring2	Yes						
14	7	Pixel 1+Ring 3	Yes						
15	8	Single ring (Ramp +/-)	Yes		Yes	0-63 = Radius size, static. 64-158 = max to min speed,Closing effect 159-160 = STOP 161-255 = min to max speed, Opening effect	0-9 → continuous 10-255 → random Distribution of flash from 2 to 20 fixtures	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
16	9	Single ring (Ramp +/-)	Yes		Yes				
17	10	Open/Close 1	Yes		Yes				
18	11	Open/Close 1	Yes		Yes				
19	12	Random pixels 1	Yes		Yes	0-63 = STOP 64-158 = max to min speed, Instant-on + fadeout. 159-160 = STOP. 161-255 = min to max speed, FadeIn + FadeOut.	0-255 → select random distribution from 2 up to 20 fixtures	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
		Random pixels 2	Yes							Yes	0-255 Select pixel density
21	14	Rainbow 1 (Variable speed)	Yes		Na	0-63 = Angle 0-360° , static. 64-158 = max to min speed, c.cw rotation 0-63 = Angle 0-360° , static. 64-158 = max to min speed,	0=snapeffect 1-255Fade effect	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
22	15	Rainbow 2 (Fixed speed withvariable color offset)	Yes		Na	0-63 = STOP 64-158 = c.cw rotation 159-160 = STOP 161-255 = cw rotation The value 64-158 or 161-255 change the rainbow angle offset (the orange starting angle).	Na	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
23	16	Fan	Yes		Na	0-63 = angle offset, 0-360° 64-158 = max to min speed, c.cw rotation 159-160 = STOP 161-255 = min to max speed, cw rotation	0-255 → angle offset from 0 to 360°	0=snapeffect 1-255Fade effect	0-7=Wash 8-15=Bgrings 16-255 wash
24	17	Bar 1	Yes						
25	18	Half moon	Yes						
26	19	Triangle	Yes						
27	20	Segment 1	Yes						
28	21	Arc 1	Yes						
29	22	Arc 2	Yes						

Shape Selection	Shape Slot	Macro Name	On L10	Description	Random Colors 1	Shape speed	Shape offset	Shape fade	Background	
30	23	Bar 2 (Variable size)	Yes		Na	0-63 = STOP, indexed speed 64-158 = max to min speed, c.cw rotation. 159-160 = STOP. 161-255 = min to max speed cc rotation.	0-255 → select shape width	0 = Snap effect 1-255 = Fade effect	0-7 = wash 8-15 = Bkgnd rings selection 16-254 = wash 255 = Mirror effect with bkgnd color	
31	24	Random explosion	Yes		Yes		0-255 → select random distribution	0 = Snap effect 1-255 = Fade effect		
32	25	Segment 2	Yes		Na		0-255 → select shape width			
33	26	x Bump	No				0-255 → select macro offset	0 = Snap effect		
34	27	Image	No							
35	28	Bumping Selection	Yes							
36	29	Ramp by 6	Yes							
37	30	Ramp by 4	Yes							
38	31	Left/Right scrolling bar	Yes				0-255 → select shape width	0 = Snap effect 1-255 select the wake Of the faded macro		
39	32	Left/Right scrolling bar	Yes							
40	33	Bar 3	No							
41	34	Vertical arc 1	No				0-255 → select macro offset	0 = Snap effect 1-255 = Fade effect		
42	35	Vertical arc 2	Yes							
43	36	Horizontal arc 1	No							
44	37	Horizontal arc 2	Yes							
45	38	Mirrored pixel	Yes							
46	39	Pixel animation 1	Yes				0-255 → select shape width	0 = Snap effect 1-255 select the wake Of the faded macro		
47	40	Pixel animation 2	Yes							
48	41	Pixel animation 3	Yes							
49	42	Pixel animation 4	Yes							
50	43	Pixel animation 5	Yes							
51	44	Semi arc (Ramp - /+)	yes							
52	45	Bumping arc section	Yes							
53	46	Pixel animation 6	Yes				0-255 → select shape width	0 = Snap effect 1-255 = Fade effect		
54	47	Vertical ramp by 2	Yes							
55	48	Following pixel by 2	Yes				0-255 → select shape width	0 = Snap effect 1-255 select the wake Of the faded macro		
56	49	Syncopation	Yes							
57	50	Bumping 1	Yes				0-255 → select macro width	0 = Snap effect 1-255 = Fade effect		
58	51	Bumping 2	Yes							
59	52	Bumping 3	Yes							
60	53	Vertical pixel scrolling	Yes				0-255 → select macro width	0 = Snap effect 1-255 select the wake Of the faded macro		
61	54	Vertical pixel scrolling	Yes							
62	55	Random central section	Yes		Yes		0-255 → select random distribution	0 = Snap effect 1-255 = Fade effect		
63	56	Random ring 2	Yes							
64	57	Random ring 3	No							
65	58	Random ring 1+3	Yes(*2)							
66	59	Random ring 2+3	Yes(*2)							


• SHAPE FADE

BIT	EFFECT
246-255	Smooth, fading curve with automatic gamma *
245	Smooth, fading curve gamma 2
243	Smooth, fading curve gamma 1,986
244	Smooth, fading curve gamma 1,993
...	...
18	Smooth, fading curve gamma 0,513
17	Smooth, fading curve gamma 0,506
16	Smooth, fading curve gamma 0,5
0-15	Snap

• SHAPE TRANSITION

BIT	EFFECT
255	4 sec
...	...
216	3 sec
...	...
171	2 sec
...	...
113	1 sec
...	...
73	0,5 sec
...	...
5	100 ms
0-4	No fade

• SHAPE RGBW
SHAPE DIMMER
BACKGROUND DIMMER



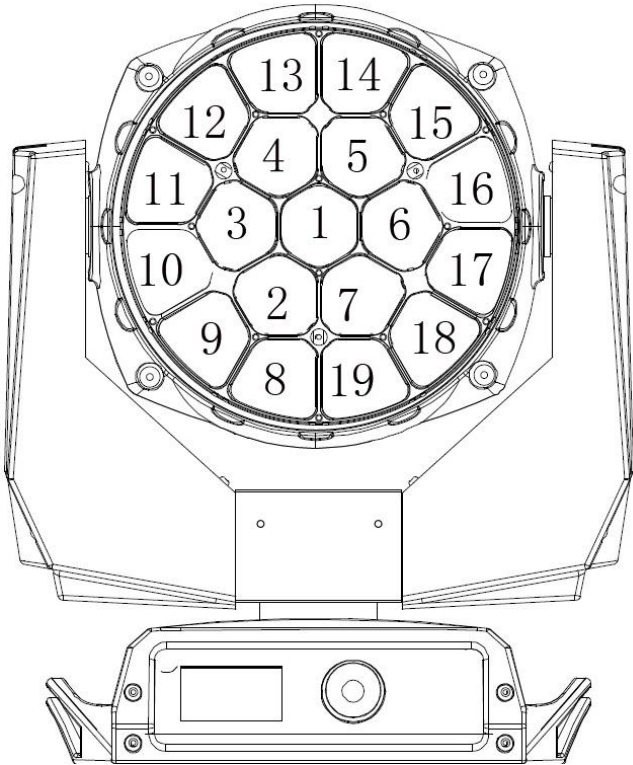
BIT	EFFECT
255	LED ON
...	...
0	LED OFF

• BACKGROUND SELECT
On L10 E&R- Background select

BIT	EFFECT
16-255	No selection
...	...
15	Ring 2 + Ring 3
14	Pixel 1 + Ring 2 + Ring 3
13	Pixel 1 + Ring 2
12	Pixel 1 + Ring 3
11	Ring 3
10	Ring 2
9	Pixel 1
8	No selection

EASY&ROTATION

LED reference number for pixel mapping
TILT: channel 16 @ 200 bit



REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted. All information is subject to change without prior notice